

## 广西线蕨属二新种

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### TWO NEW SPECIES OF COLYSIS FROM GUANGXI

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关键词 石山线蕨; 三江线蕨; 广西

Key words *Colysis saxicola*; *C. sanjiangensis*; Guangxi

石山线蕨 新种 图 1

*Colysis saxicola* H. G. Zhou et H. Li, sp. nov.

Species proxime affinis *C. wui* Ching, differt fronde monomorpha major, lamina sagittata basi cordata plerumque utroque, squamis rhizomatis densioribus longioribus.

Tota planta 15—60 cm alta. Rhizoma longum, repens, 3—5 mm diam., squamis brunneis lanceolatis, ca. 5 mm longis, 1 mm latis, apice acuminatis, basi rotundatis, margine parce denticulatis dense praeditum. Frondes monomorphae distantes; stipes 10—35 cm longus, 2—3 mm diam., stramineus basi squamatus, sursum glabra, apice exalatus vel breviter angustequ alatus; lamina sagittata vel deltoidea—ovata, raro deltoidea, simplex, 10—24 cm longa, basi 10—20 cm lata, apice acuminata, margine integra vel undulata, basi cordata plerumque utroque auriculata raro truncata, auriculis apice acuminatis vel acutis; venae reticulatae, costa utrinque conspicua elevata straminea, nervi laterales conspicui, ad angulum 45 patentes, venulae inconspicuae, venulae inclusae simplices vel furcata. Pagina frondis textura in sicco chartacea viridis glabra. Sori lineares, continui, exindusiati, ad angulum 45 patentes, e costa ad inframargine regulariter extensi.

**Guangxi(广西):** Napo Xian(那坡县), Nonghua(弄化), in evergreen broadleaf forest of limestone area, alt. 1100 m, Zhou Hougao(周厚高) 2605[Typus, GXAC(广西农学院植物标本室), Isotypus, PYU(云南大学蕨类植物标本室)], 2665. 19—20. X. 1990.

植株高 15—60 cm。根状茎长而横走, 粗 3—5 mm, 密被鳞片, 鳞片披针形, 褐色, 长约 5 mm, 宽 1 mm, 顶端渐尖, 基部圆形, 边缘具疏微齿。叶一型, 疏生; 叶柄长 10—35 cm, 粗 2—3 mm, 禾秆色, 基部疏具鳞片, 向上光滑, 顶端无翅或具短而狭的翅; 叶片戟形或三角状卵形, 稀三角形, 不分裂, 长 10—20 cm, 基部最宽, 10—20 cm, 顶端渐尖, 边缘全缘或波状, 基部心形, 两侧常呈耳垂形, 稀截形, 耳片渐尖头或急尖头。叶脉网状, 主脉两面突起, 禾秆色, 侧脉明显, 与主脉呈 45 度角斜上, 小脉不明显, 内藏小脉单一或分叉。叶干后纸质, 绿色, 光滑。囊群线形, 连续, 无盖, 从主脉以 45 度

角斜上, 伸达近叶边。

本种近吴氏线蕨 (*Colysis wui* Ching), 不同在于叶一型, 较大, 叶片基部心形, 两侧常呈耳垂形, 根状茎上鳞片较密较长。

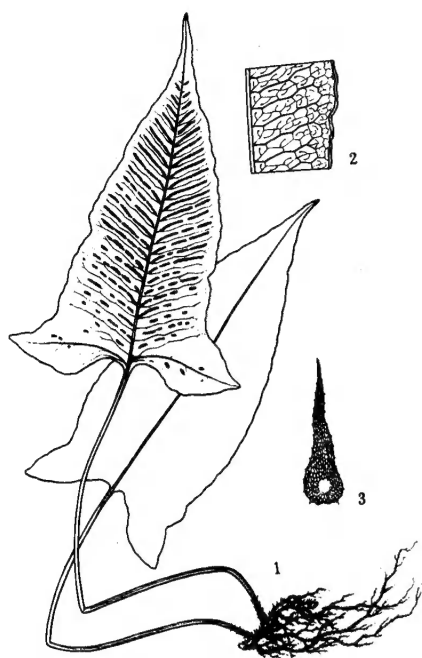


图 1 石生线蕨 *Colysis saxicola* H.G.Zhou et H.Li, sp. nov.

1. 植株全形, 2. 叶脉详图, 3. 根状茎上鳞片。(廖信佩绘)



图 2 三江线蕨 *Colysis sanjiangensis* H.G.Zhou et H.Li, sp. nov.

1. 植株全形, 2. 叶脉详图, 3. 根状茎上鳞片。(廖信佩绘)

### 三江线蕨 新种 图 2

*Colysis sanjiangensis* H.G.Zhou et H.Li, sp. nov.

Species proxime affinia *C. flexilobae* (Christ) Ching et *C. longipedi* Ching, differt a priori segmentis lateralibus 2—3-jugis, infimis plerumque furcatis, stipite lamina 2 plo longiore, lamina late ovata, soris e costa ad marginem extensis; a posteriore segmentis apice acuminatis, margine undulatis, infimis plerumque furcatis, soris e costa ad marginem extensis, pagina frondis textura in sicco herbacea.

Tota planta 20—50 cm alta, Rhizoma longum, repens, 3—5 mm diam., squamis brunneis lanceolatis, 2—3 mm longis, 0.5 mm latis apice acuminatis, basi rotundatis, margine parce denticulatis praeditum. Frondes subdimorphae distantes; sterlis breviores parviores, alis rhachidium latioribus; stipes frondis fertilis stramineus glabra, 15—30 cm longus, 2—3 mm diam., apice exalatus vel breviter angusteque alatus; lamina late ovata, 15—17 cm longa, 10—15 cm lata, pinnatipartita; segmenta lateralia 2—3-juga, lanceolata obliqua, idem planum fere attingentia, 7—14 cm longa, 1.5—2.0 cm lata, apice acuminata vel longe acuminata, margine undulata, basi adnata, secus rhachides alis 3—5 mm latis; infima maxima, basi plerumque furcata, lobulo 3—7 cm longo, 0.7—1.0 cm lato. Venae reticulatae, costa segmenti utrinque conspicua elevata straminea, nervi laterales et venulae visibiles, venulae inclusae simplices vel furcatae. Pagina frondis textura in sicco herbacea brunnea. Sori lineares continui, exindusiati, obliqui, e costa ad

marginem regulariter extensi.

**Guangxi(广西):** Sanjiang Xian( 三江县), Linxi(林溪), in evergreen broadleaf forest of sandstone area, alt. 400 m, Zhou Hougao(周厚高) 1778[Types, GXAC(广西农学院植物标本室); Isotypus PYU(云南大学蕨类植物标本室)]. 3. III. 1990.

植株高 20—50 cm。根状茎长而横走, 粗 3—5 mm, 疏被鳞片, 鳞片披针形, 褐色, 长 2—3 mm, 宽 0.5 mm, 顶端渐尖, 边缘疏微齿, 基部圆形。叶疏生, 近二型; 不育叶较小较短, 叶轴上的翅较宽; 能育叶叶柄禾秆色, 光滑, 长 15—30 cm, 粗 2—3 mm, 顶端无翅或具极短而狭的翅; 叶片阔卵形, 长 15—17 cm, 宽 10—15 cm, 羽状深裂; 侧生裂片 2—3 对, 披针形, 向上斜展, 几伸达同一水平线, 长 7—14 cm, 宽 1.5—2.0 cm, 顶端渐尖或长渐尖, 边缘波状, 基部贴生, 沿叶轴下延成 3—5 mm 宽的阔翅; 基部裂片最大, 常分叉, 小裂片长 3—7 cm, 宽 0.7—1.0 cm。叶脉网状, 裂片主脉明显, 两面突起, 禾秆色, 侧脉、小脉可见, 内藏小脉单一或二叉。叶干后草质, 褐色。囊群线形, 连续, 无盖, 斜向上, 从主脉伸达叶缘。

本种近于曲边线蕨 *Colysis flexiloba* (Christ) Ching 和长柄线蕨 *C. longipes* Ching, 不同于前者在于本种侧生裂片少, 仅 2—3 对, 基部裂片常分叉, 叶柄较长, 为叶片的二倍, 叶阔卵形, 囊群从主脉伸达叶缘; 不同于后者在于本种基部裂片下侧常分叉, 裂片渐尖, 边缘波状皱褶, 囊群从主脉伸达叶缘, 叶草质。

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## 湖南黔蕨属一新种

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## A NEW SPECIES OF PHANEROPHLEBIOPSIS FROM HUNAN

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**关键词** 黔蕨属; 湖南黔蕨

**Key words** *Phanerophlebiopsis*; *Ph. bipinnata*

湘南黔蕨 新种 图 1

*Phanerophlebiopsis bipinnata* S. F. Wu, sp. nov.

Species insigninis ab omnibus affinis differi majore, pinnis lateralibus pluribus, pinnis infimis latioribus, pinnatis, stipite supra basin paleacea.

Tota planta 70—90 cm alta. Stipite 27—46 cm longo, ca. 4 mm diametro, stramineo, parte inferiore